



Threaded Coupling

881-019R Rear Panel Mount, PCB Vertical Receptacle



Series 881 rear panel mount, threaded coupling, PCB receptacles are sealed with epoxy and meet IP67 requirements in mated condition. For open face sealing in an unmated condition request modification code -518. Three contact sizes are available with current ratings of 5A, 3A and 1A. Aluminum or stainless steel housings and thermoplastic insulators. High performance crimp contacts are factory terminated to solid copper wire. Ultraminiature SuperFly® connectors are ideal for soldier systems and other applications where reduced size and weight are critical.

Shell Size and Insert Arrangements			
Insert Arrangements	No. of Contacts		
	#23 5A.	Micro 3A.	Nano 1A.
B7N	—	—	7
C10N	—	—	10
C2M2N	—	2	2
D3M	—	3	—
D2W2N	2	—	2
E3W	3	—	—
E4M	—	4	—
E19N	—	—	19
E4M4N	—	4	4
F4W	4	—	—
F7M	—	7	—
F22N	—	—	22
F4M8N	—	4	8
F4W4N	4	—	4
G7W	7	—	—
G10M	—	10	—
G31N	—	—	31
G6M10N	—	6	10
G6M12N	—	6	12
H10W	10	—	—
H37N	—	—	37
H6W14N	6	—	14
J44N	—	—	44
J7W19N	7	—	19
K19M	—	19	—
K13M19N	—	13	19
L22M	—	22	—

First letter of insert arrangement represents connector shell size, as in this example K13M19N

NOTES

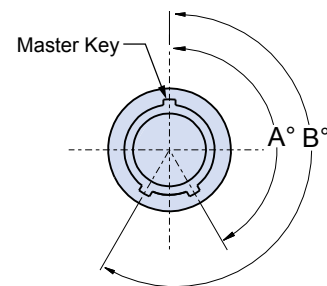
1. See Section A for insert arrangement layouts
2. See Section A for additional finish options

How To Order						
Sample Part Number	881-019R	A	-B7N	-M	S	-.125
Series	881-019R					
Insert Style	A = Unshrouded Contacts B = Shrouded Contacts are Recessed within Insulator					
Shell Size / Insert Arr. ¹	See Shell Size and Insert Arrangement Table					
Material/ Finish ²	M = Aluminum/electroless nickel RoHS compliant ZR = Aluminum/zinc-nickel, non-reflective with RoHS compliant black chromate MT = Aluminum/nickel-PTFE RoHS compliant ZMT = Stainless steel/nickel-PTFE RoHS compliant					
PC Tail Finish	S = Solder-dipped in 63/37 tin-lead G = Gold Plated					
PC Tail Length	.080, .125, .175 in inches					

MOD-686 POLARIZING OPTIONS

Standard SuperFly® connectors have a single master key. Versions with three keys are also available if alternate key positions are required. Add suffix code 686 to the part number per the following example: 881-019RA-B7N-MS-.125-686A

Plug Alternate Key Positions		
Suffix Code	A°	B°
686A	150°	210°
686B	75°	210°
686C	95°	230°
686D	140°	275°
686E	75°	275°
686F	95°	210°



MOD-518 OPEN FACE SEALING

For IP67 performance in open face (unmated) condition, use suffix -518. Example: 881-019RA-B7N-MS-.125-518



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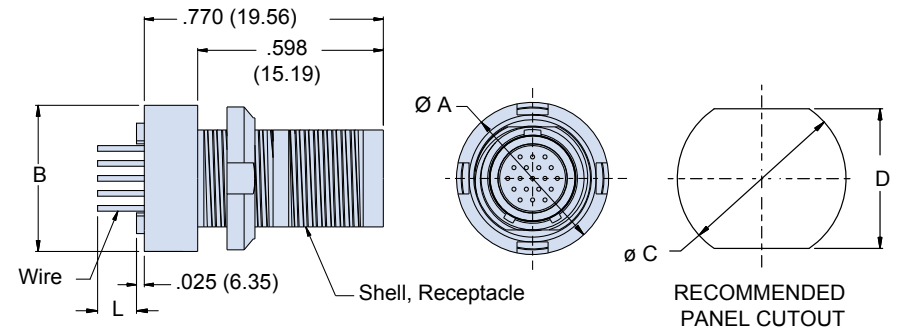
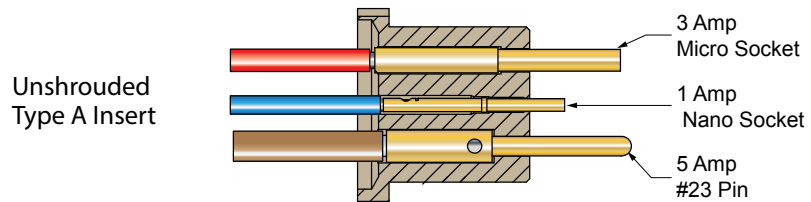
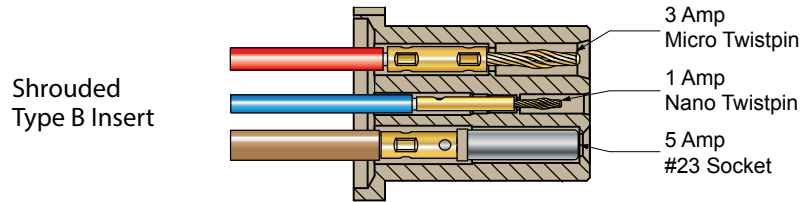


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ABOUT SHROUDED AND UNSHROUDED SUPERFLY® CONFIGURATIONS

Shrouded contacts are recessed within the insert. Unshrouded contacts extend from the insert face. Shrouded inserts contain 1 amp and 3 amp Twistpin contacts along with 5 amp socket contacts. Unshrouded inserts contain 1 amp and 3 amp sockets and 5 amp pin.

Wire Code Table				
Layouts with 5A. Contacts				
Insert Arrangement	#23 5A.	Micro 3A.	Nano 1A.	Code
E3W, F4W, G7W, H10W	#22	—	—	100
	#24	—	—	200
	#26	—	—	300
Layouts with 5A. and 1A. Contacts				
Insert Arrangement	#23 5A.	Micro 3A.	Nano 1A.	Code
D2W2N, F4W4N, H6W14N, J7W19N	#22	—	#28	104
	#24	—	#28	204
	#26	—	#28	304
	#22	—	#30	105
	#24	—	#30	205
	#26	—	#30	305
	#22	—	#32	106
	#24	—	#32	206
#26	—	#32	306	
Layouts with 3A. Contacts				
Insert Arrangement	#23 5A.	Micro 3A.	Nano 1A.	Code
D3M, E4M F7M, G10M, K19M, L22M	—	#24	—	020
	—	#26	—	030
	—	#28	—	040
	—	#30	—	050
Layouts with 3A. and 1A. Contacts				
Insert Arrangement	#23 5A.	Micro 3A.	Nano 1A.	Code
C2M2N, E4M4N, F4M8N, G6M10N, G6M12N, K13M19N	—	#24	#28	024
	—	#26	#28	034
	—	#28	#28	044
	—	#24	#30	025
	—	#26	#30	035
	—	#28	#30	045
	—	#24	#32	026
—	#26	#32	036	
—	#28	#32	046	
Layouts with 1A. Contacts				
Insert Arrangement	#23 5A.	Micro 3A.	Nano 1A.	Code
B7N, C10N, E19N, F22N, G31N, H37N, J44N	—	—	#28	004
	—	—	#30	005
	—	—	#32	006



Shell Size	Dimensions							
	Ø A		Ø B		Ø C		D Flats	
	In	mm	In	mm	In	mm	In	mm
B	0.392	9.96	0.392	9.96	0.283	7.19	0.241	6.12
C	0.412	10.46	0.412	10.46	0.305	7.75	0.261	6.63
D	0.432	10.97	0.432	10.97	0.324	8.23	0.281	7.14
E	0.451	11.46	0.451	11.46	0.344	8.74	0.300	7.62
F	0.471	11.96	0.471	11.96	0.364	9.25	0.320	8.13
G	0.490	12.45	0.490	12.45	0.383	9.73	0.340	8.64
H	0.530	13.46	0.530	13.46	0.419	10.64	0.379	9.63
J	0.569	14.45	0.569	14.45	0.459	11.66	0.418	10.62
K	0.589	14.96	0.589	14.96	0.478	12.14	0.438	11.13
L	0.628	15.95	0.628	15.95	0.518	13.16	0.478	12.14